

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Lai et al.	Confirmation	n No.:	1097
Application No.:	10/723,621	Art Unit:	2816	
Filed:	November 25, 2003	Examiner:	To be as	ssigned
For:	MUTILEVEL CONVERTER BASED INTELLIGENT UNIVERSAL TRANSFORMER	Attorney Do	cket No.:	060825-0334-US

POWER OF ATTORNEY BY ASSIGNEE AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. 3.71 WITH STATEMENT UNDER 37 C.F.R. 3.73(b)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

1. From:

To:

Sir:

The undersigned assignee of the entire interest in the above-identified subject application hereby appoints Morgan, Lewis & Bockius LLP, customer no. 24341 as its attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 C.F.R. 3.71, provided that, if any one of these attorneys ceases being affiliated with the law firm of Morgan, Lewis & Bockius LLP as partner, counsel, or employee, then the appointment of that attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

Please direct all correspondence for this application to customer no. 24341. I am the:

		Applicant/Inventor
	\boxtimes	Assignee of record of the entire interest. See 37 CFR 3.71.
		(Statement under 37 CFR 3.73(b) is applicable)
		Statement Under 37 C.F.R. 3.73(b)
Electric	c Power	Research Institute, Inc. states that it is:
	\bowtie	the assignee of the entire right, title, and interest; or
	\sqcap	an assignee of less than the entire right, title and interest.
	Д	The extent (by, percentage) of its ownership interest is %
in the p	atent app	plication/patent identified above by virtue of either:
	\boxtimes	An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office on
		at Reel , Frame , or for which a copy thereof is attached.
OR		A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

	The document was recorded in the United States Patent and Trademark Office on at Reel , Frame , or for which a copy thereof is attached.
	 From: To: The document was recorded in the United States Patent and Trademark Office on at Reel , Frame , or for which a copy thereof is attached.
	 From: To: The document was recorded in the United States Patent and Trademark Office on at Reel , Frame , or for which a copy thereof is attached.
	Additional documents in the chain of title are listed on a supplemental sheet.
	Copies of assignments of other documents in the chain of title are attached. [Note: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]
The u	ndersigned (whose title is supplied below) is authorized to act on behalf of the assignee.
Date:	ASSIGNEE: Electric Power Research Institute, Inc. 5/17/04 Signature:
	Typed Name: Carole Druhan-Larsen Position/Title: associate General Counsel, II
	Position/Title: associate General Counsel, Ll
	Address: 3412 Hillview Avenue Palo Alto, CA 94303

COPY

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County of

) SS.:

behalf of which the person(s) acted, executed the instrument.

ASSIGNMENT

378 citi: the	WHEREAS, WE, Jih-Sheng Lai, a citizen of the United States of America residing at 2204 I Triginia 24060, Arshad Mansoor, a citizen of the United States of America residing at 38 Palisades Part 7830, Arindam Maitra, a citizen of India residing at 5506 Crooked Pine Lane, Knoxville, Tennessee 3 tizen of the United States of America residing at 4236 Lorabelle Court, Palo Alto, California 94306, ASSI in invention in MULTILEVEL CONVERTER BASED INTELLIGENT UNIVERSAL TRANSFORMER in application for a Patent of the United States	kway, Oak Ridge, Tennesse 7921 and Frank Goodman, IGNORS, are the inventors of
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and und	nd WHEREAS, Electric Power Research Institute, Inc., ASSIGNEE is desirous of obtaining our entire rig nder the said invention and the said application:	ht, title and interest in, to and
by to our con app whi such of the don incl	NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, a possideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal ur entire right, title and interest in, to and under the said invention, and the said United States application a continuations thereof, and all Patents of the United States which may be granted thereon and all reissues as applications for industrial property protection, including, without limitation, all applications for patents which may hereafter be filed for said invention in any country or countries foreign to the United States, inch applications and the right to claim for the same the priority rights derived from said United States applied the United States, the International Convention for the Protection of Industrial Property, or any other in omestic laws of the country in which any such application is filed, as may be applicable; and all forms of including, without limitation, patents, utility models, inventors' certificates and designs which may be grant country or countries foreign to the United States and all extensions, renewals and reissues thereof;	, transferred and set over, and representatives and assigns and all divisions, renewals and extensions thereof; and all, utility models, and design together with the right to filication under the Patent Law international agreement or thindustrial property protection
prot	AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the Uf any country or countries foreign to the United States, whose duty it is to issue patents or other evidence of rotection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal recordance with the terms of this instrument.	or forms of industrial property
not	AND WE HEREBY covenant and agree that we have full right to convey the entire interest hereint executed, and will not execute, any agreement in conflict herewith.	n assigned, and that we have
exec the	AND WE HEREBY further covenant and agree that we will communicate to the said ASSI presentatives and assigns, any facts known to us respecting said invention, and testify in any legal procedecute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally desaid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection tries.	eding, sign all lawful papers do everything possible to aid
	IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signs	atures.
Date	Jan-Sheng Lai	L.S.
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Date	, 2004	L.S.

Arshad Mansoor

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	which is identified by Mor		-	25-0334-148		
	which was filed on Novem			25-0554-05		
	We hereby authorize and roumber, f	equest our attorney,, of	Morgan, Lewis &	Bockius, LLP, to insertion number of said app	t here in parentheses (Application
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by th our e conti- appli- which such of the dome- inclu-	NOW, THEREFORE deration, the receipt of whese presents do hereby selfontire right, title and interest nuations thereof, and all Pocations for industrial proph may hereafter be filed fapplications and the right of United States, the Interestic laws of the country in ding, without limitation, pary or countries foreign to the	, assign, transfer and set tin, to and under the sai atents of the United Staterty protection, including said invention in any to claim for the same the ational Convention for to which any such applicatents, utility models, in	ged, we, the said A cover, unto the said d invention, and the less which may be g ng, without limitat country or country priority rights deriche Protection of Intion is filed, as may ventors' certificates	SSIGNORS, have sold I ASSIGNEE, its success said United States appranted thereon and all ition, all applications for some said United States application and all iting the said United States applicable; and all sand designs which manager its said united States and all sand designs which manager is said united States and all said designs which manager its said said said said said said said sai	, assigned, transferred a ssors, legal representation and all division reissues and extensions or patents, utility moded States, together with tates application underny other international a forms of industrial progay be granted for said	and set over, and ives and assigns, ns, renewals and sthereof; and all els, and designs the right to file the Patent Laws agreement or the perty protection.
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		organ, Lewis & Bockius		(000£ 0004 Hg		
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11	uniber,	request our attorney, , filed) the fil	ing date and appli	cation number of said	application when kno	wn.
and W under	HEREAS, Electric Pov the said invention and t	ver Research Institute, In he said application:	ic., ASSIGNEE is	desirous of obtaining	our entire right, title	and interest in, to and
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ASSIGNMENT

citiz	30, Arindam Maitra, a c en of the United States o	itizen of India residing a f America residing at 423 EL CONVERTER BASE	t 5506 Crooked Pine Lan	America residing at 2204 Hardwick esiding at 38 Palisades Parkway, (le, Knoxville, Tennessee 37921 ar lto, California 94306, ASSIGNOR ERSAL TRANSFORMER for wh	Oak Ridge, Tennesse and Frank Goodman,
	which is executed on	even date herewi	th or		
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	We hereby authorize and number,	request our attorney, , of filed) the fili	f Morgan, Lewis & Bock ng date and application nu	ius, LLP, to insert here in parenthoumber of said application when kno	eses (Application
and unde	WHEREAS, Electric Pover the said invention and t	ver Research Institute, Inches the said application:	c., ASSIGNEE is desirous	of obtaining our entire right, title	and interest in, to and
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